

Diodes

# Schottky barrier diode

## RB715Z

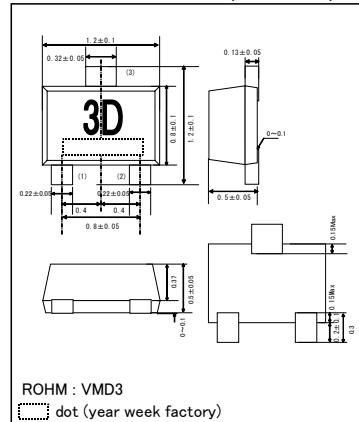
### ●Applications

General rectification

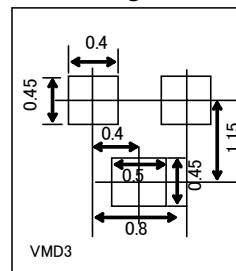
### ●Features

- 1) Extra small power mold type.  
(VMD3)
- 2) Low  $V_F$
- 3) High reliability

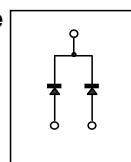
### ●External dimensions (Unit : mm)



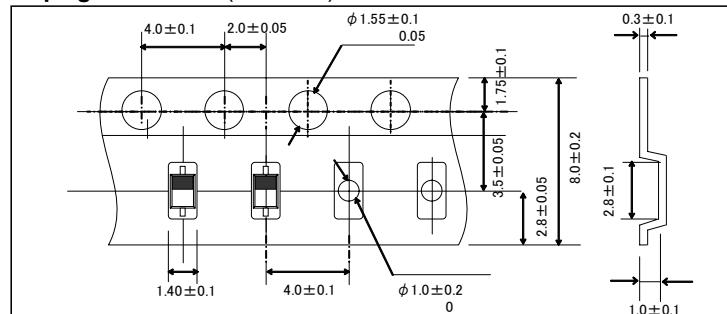
### ●Land size figure



### ●Structure



### ●Taping dimensions (Unit : mm)



### ●Absolute maximum ratings ( $T_a=25^\circ C$ )

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current *	$I_o$	30	mA
Forward current surge peak (60Hz · 1cyc.)*	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

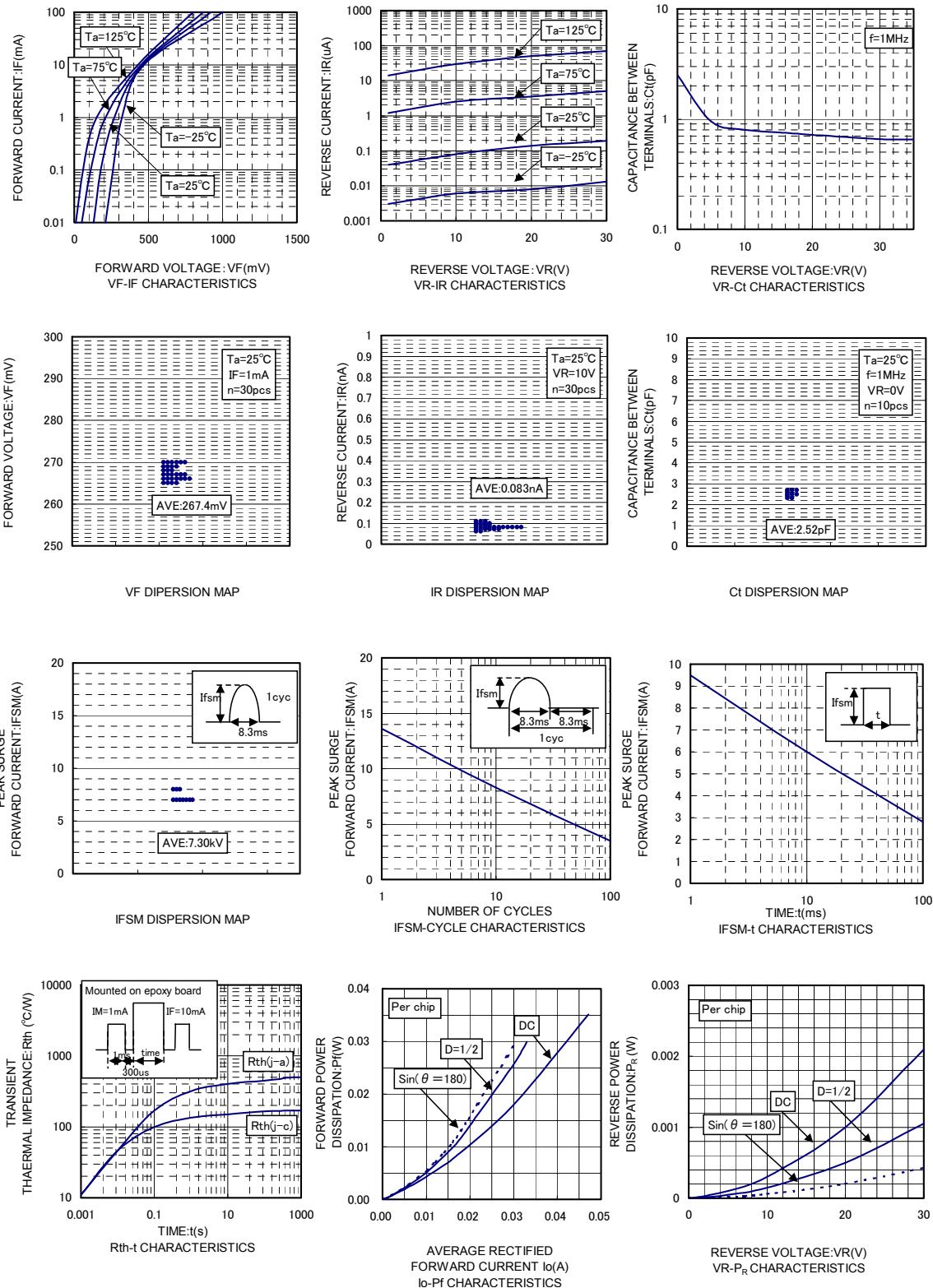
\* Rating of per diode

### ●Electrical characteristic ( $T_a=25^\circ C$ )

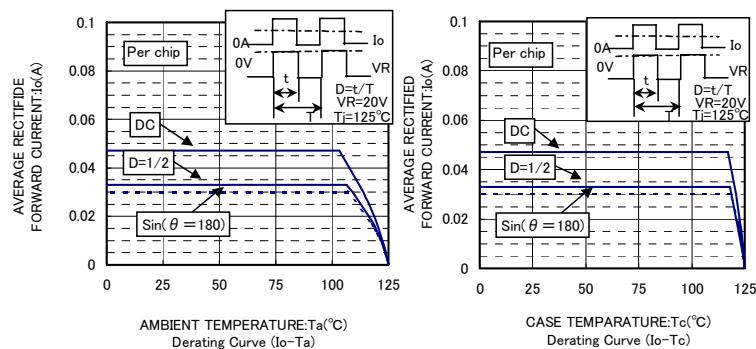
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	—	—	0.37	V	$I_F=1\text{mA}$
Reverse current	$I_R$	—	—	0.5	$\mu\text{A}$	$V_R=30\text{V}$

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## ● Electrical characteristic curves



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## Appendix

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